

Date of Deposit: 29 November 2001

(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

29 June 1999 (29.06.99)

PRIORITY DATE CLAIMED

ARRANGEMENT FOR MEASURING CONCENTRATE FLOW IN CONNECTION WITH A FLOTATION CELL

TITLE OF INVENTION

Eljas SAASTAMOINEN (Helsinki, Finland)

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APPLICANT(S)

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U.S. PATENT AND TRADEMARK OFFICE

P.O. Box 2327

Arlington, Virginia 22202

Attention: EO/US

1. This national phase application claims priority of the following national application(s):

Finnish Patent Application No. 991484 filed June 29, 1999.

2. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 USC 371:

- A. ☒ This express request to immediately begin national examination procedures (35 USC 371(f)).
- B. ☒ The U.S. National Fee (35 USC 371(c)(1) and other fees (37 CFR 1.492) indicated in the attached fee calculation sheet.

3. ☒ A copy of the International application as filed [35 USC 371(c)(2)]:

- a. ☐ is transmitted herewith.
- b. ☐ is not required as the application was filed with the United States Receiving Office.

- c. ☒ [x] has been transmitted
- i. ☒ [x] by the International Bureau. Date of mailing of the application (from form PCT/IB/308): 04 January 2001 (04.01.01).
- ii. ☐ [] by applicant on (date) _____.
4. ☒ [x] A translation of the International application into the English language [35 USC 371(c)(2)]:
- a. ☐ [] is transmitted herewith.
- b. ☒ [x] is not required as the application was filed in English.
- c. ☐ [] was previously transmitted by applicant on (date) _____.
- d. ☐ [] will follow (within 32 months of earliest priority date).
5. ☒ [x] Amendments to the claims of the International application under PCT Article 19 [35 USC 371(c)(3)]:
- a. ☐ [] are transmitted herewith.
- b. ☐ [] have been transmitted
- i. ☐ [] by the International Bureau. Date of mailing of the amendment (from form PCT/IB/308): _____.
- ii. ☐ [] by applicant on (date) _____.
- c. ☒ [x] have not been transmitted as
- i. ☒ [x] applicant chose not to make amendments under PCT Article 19. Date of mailing of Search Report (from form PCT/ISA/210): 16 October 2000 (16.10.00).
- ii. ☐ [] the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.
6. ☒ [x] A translation of the amendments to the claims under PCT Article 19 [35 USC 371(c)(3)]:
- a. ☐ [] is transmitted herewith.
- b. ☐ [] is not required as the amendments were made in the English language.
- c. ☒ [x] has not been transmitted for reasons indicated at point 5c above.

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7. [x] A copy of the International Preliminary Examination Report (PCT/IPEA/409)
 - a. [x] is transmitted herewith.
 - b. [] is not required as the application was filed with the United States Receiving Office.
8. [x] Annex(es) to the International Preliminary Examination Report
 - a. [x] is/are transmitted herewith.
 - b. [] is/are not required as the application was filed with the United States Receiving Office.
 - c. [] is/are not being transmitted as there is/are no Annex(es).
9. [x] A translation of the annexes to the International Preliminary Examination Report
 - a. [] is transmitted herewith.
 - b. [x] is not required as the annexes are in the English language.
 - c. [] is not being transmitted for the reason indicated at point 8c above.
10. [x] An oath or declaration of the inventor [35 USC 371(c)(4)] complying with 35 USC 115
 - a. [] was previously submitted by applicant on (date) _____.
 - b. [] is submitted herewith and such oath or declaration
 - i. [] is attached to the application
 - ii. [] identifies the application and any amendments under PCT Article 19 which were transmitted as stated in points 5a or b; and states that they were reviewed by the inventor as required by 37 CFR 1.70.
 - c. [x] will be provided in response to a Notice to File Missing Requirements.
11. [x] An International Search Report (PCT/ISA/210) or Declaration under PCT Article 17(2)(a):
 - a. [] is transmitted herewith.
 - b. [x] has been transmitted by the International Bureau. Date of mailing (from form PCT/IB/308): 04 January 2001 (04.01.01).
 - c. [] is not required as the application was searched by the United States International Searching Authority.
 - d. [] will be transmitted promptly upon request.

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e. ☐ has been submitted by applicant on (date) _____.

12. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98:

a. ☐ is transmitted herewith.

Also transmitted herewith is

☐ Form PTO-1449

☐ Copies of citations listed

b. ☐ will be transmitted within THREE MONTHS of the date of submission of requirements under 35 USC 371(c).

c. ☐ was previously submitted by applicant on (date) _____.

13. ☐ The applicant claims small entity status with respect to this application.

☐ A Verified Statement Claiming Small Entity Status is attached.

☐ The undersigned claims small entity status on behalf of the applicant.

14. ☐ An assignment document is transmitted herewith for recording. A separate ☐ "RECORDATION COVER SHEET" is also attached.

15. ☒ Additional documents

a. ☐ Copy of request (PCT/RO/101)

b. ☒ International Publication No. WO 01/01080

i. ☐ Specification, claims and drawing

ii. ☒ Front page only

c. ☒ Preliminary amendment

d. ☒ Abstract

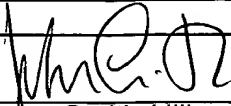
e. ☐ Other

16. ☒ The above checked items are being transmitted

a. ☒ before 30 months from any claimed priority date.

b. ☐ after 30 months but before 32 months (surcharge and/or processing fee included) from any claimed priority date.

17. ☐ Certain requirements under 35 USC 371 were previously submitted by the applicant on _____, namely:



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09/980439

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FEE CALCULATION SHEET

Entry into National Phase of PCT/FI00/00553

CLAIMS FEE	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
[x]	TOTAL CLAIMS 9	-20 =	0	x \$ 18 =	\$ 0
	INDEPENDENT CLAIMS 1	- 3 =	0	x \$ 84 =	\$ 0
	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$280 =	\$ 0
BASIC FEE	<input type="checkbox"/> U.S. PTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where an International preliminary examination fee as set forth in § 1.482 has been paid on the international application to the U.S. PTO: <input type="checkbox"/> and the international preliminary examination report states that the criteria of novelty, inventive step (non-obviousness) and industrial activity, as defined in PCT Article 33(1) to (4) have been satisfied for all the claims presented in the application entering the national state (37 CFR 1.492(a)(4)) \$100 <input type="checkbox"/> and the above requirements are not met (37 CFR 1.492(a)(1)) \$710 <input checked="" type="checkbox"/> U.S. PTO WAS NOT INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where no international preliminary examination fee as set forth in § 1.482 has been paid to the U.S. PTO, and payment of an international search fee as set forth in § 1.445(a)(2) to the U.S. PTO: <input type="checkbox"/> has been paid (37 CFR 1.492(a)(2)) \$740 <input checked="" type="checkbox"/> has not been paid (37 CFR 1.492(a)(3)) \$1,040 <input type="checkbox"/> where a search report on the international application has been prepared by the European Patent Office or the Japanese Patent Office (37 CFR 1.492(a)(5)) \$890				1,040
OTHER FEES	Surcharge of \$130 for furnishing the oath or declaration later than 30 months (but no later than 32 months) from any claimed priority date (37 CFR 1.492(e) and 37 CFR 1.495(c)).				+ 130
	Total of above Calculations				= 1,170
SMALL ENTITY	Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed also. (note 37 CFR 1.9, 1.27, 1.28)				-
	Subtotal				1,170
	Processing fee of \$130 for furnishing the English Translation later than 30 months (but not later than 32 months) from any claimed priority date (37 CFR 1.492(f) and 37 CFR 1.495(c)).				+
	Total National Fee				\$ 1,170
	Fee for recording the enclosed assignment document \$40 (37 CFR 1.21(h)).				+
TOTAL	TOTAL FEES ENCLOSED				\$ 1,170

* See attached Preliminary Amendment.

[x] A check in the amount of \$1,170 to cover the above fees is enclosed.

[x] Please charge any additional basic filing fees under 37 CFR 1.492(a) which may be required by this paper, or credit any overpayment to Deposit Account No. 19-2560. This sheet is filed in duplicate.

Penelope Stockwell